CHARLES COUNTY GOVERNMENT

Department of Fiscal and Administrative Services - Purchasing Division
Telephone: 301-645-0656

ITB NO. 20-35, MATTAWOMAN WWTP FLOW EQUALIZATION BASIN

ADDENDUM NUMBER FOUR

TO: All Bidders

Please be advised of the following modification(s) & information related to Invitation to Bid (ITB) 20-35. These modifications, comments, and attachments are hereby made a part of the solicitation documents to the same extent as if bound therein.

1. Attachment

- Attachment A – North-South Pipe Gallery Photos

2. Changes – ITB Solicitation Document

A. Part I – Instructions to Bidders, Section 1.4 – Solicitation Schedule

Delete the strikethrough text and add the bold and italicized text:

Milestone	**Date**
ITB Published	May 8, 2020
Last Day to Register for Optional Pre-Bid Meeting	May 21, 2020 at 10:00 a.m. (Eastern Time)
Optional Pre-Bid Meeting	May 22, 2020 at 10:00 a.m. (Eastern Time)
Last Day to Register for Optional Site Visit	May 27, 2020 at 10:00 a.m. (Eastern Time)
Optional Site Visit	See Part I, Section 1.5.2 – Optional Site Visit
Last Day for Questions	~~June 19, 2020 before 4:30 p.m. (Eastern Time)~~ ***July 6, 2020 before 4:30 p.m. (Eastern Time)***
Bid due to County*	~~July 21, 2020 before 3:00 p.m. (Eastern Time)~~ ***July 31, 2020 before 3:00 p.m. (Eastern Time***)

*If the County is closed for business at the due date and time scheduled, for whatever reasons, sealed proposals will be accepted on the next business day of the County, at the originally scheduled time. Offerors shall monitor the Bid Board for schedule changes issued via addendum.

3. <u>Changes - Appendix 1 – Drawings & Specifications - Drawings – 200508.pdf</u>

A. Appendices – Appendix 1 – Drawings & Specifications

Add the bold and italicized text as the third and fourth bullet:

- ***ITB 20-35 APPENDIX 1 – Changes to Drawings – 200630.pdf***
- ***ITB 20-35 APPENDIX 1 – 2008 Record Drawings – 200630.pdf***

Drawings are available for download from the Charles County Bid Board via the County's website by following these steps:

1. Go to http://www.CharlesCountyMD.gov/.
2. Select "Business", then "Online Bid Board".
3. Locate the project from the list.

B. ITB 20-35 APPENDIX 1 – Changes to Drawings – 200630.pdf

1. Refer to Figure 01 for changes to Drawing M008
2. Refer to Figure 02 for changes to Drawing M009
3. Refer to Figure 03 for changes to Drawing M012
4. Refer to Figure 04 for changes to Drawing M013
5. Refer to Figure 05 for changes to Drawing S004
6. Refer to Figure 06 for changes to Drawing S013
7. Refer to Figure 07 for changes to Drawing M007
8. Refer to Figure 08 for changes to Drawing M0101

C. Sheet No. A004 - Exterior Elevations

a. <u>North Elevation and South Elevation</u>

1. Delete the note "REVEAL" and its associated leader.

b. <u>All Elevations</u>

1. Delete the stipple pattern and the vertical line pattern on the insulated precast concrete wall panel surface.
2. Add a pattern representing simulated brick mortar joints in a running bond pattern where three courses of apparent brick measured vertically equals eight inches in height, and each apparent brick measures eight inches in length measured centerline of apparent mortar joint to centerline of apparent mortar joint.
3. Change the note "INSULATED PRECAST CONCRETE WALL PANELS" to "INSULATED PRECAST CONCRETE WALL PANELS – BRICK PATTERN FORMLINER (TYPICAL)".

D. Sheet No. A005 – Precast Wall Panel Details

a. <u>Section 2 – Section Detail at Roof Edge (Non-Bearing) and Section 4 – Section Detail at Roof Edge (Bearing)</u>

1. Delete the notes "REVEAL" and "RIBBED TEXTURE" and their associated leaders.

2. Delete the dashed line representing the valleys of the ribbed texture.
3. Delete the indent in the line representing the outer surface of the precast wall and the associated dimensions 3-1/2" and ¾"
4. Add a note "CAST BRICK PATTERN WITH FORMLINER" with a leader pointing to the exterior surface of insulated precast concrete wall panels.

E. Sheet No. S008 – Primary Effluent Distribution Box Sections – Section D

Change the note "WEIR PLATE (SEE MECH DWGS, TYP)" to "WEIR GATE (SEE MECH DWGS, TYP)"

F. Sheet No. C012 – Partial Yard Piping Plans – Yard Piping Partial Plan 2

Change the note "4" DIP, DRN" to "3" PVC, DRN"

G. Sheet No. M020 – Flow Equalization Basin Upper Plan 1, Aerator on the eastern side of the tank

Change the note "FEQ AERATOR NO. 2 AER-05-43-12" to "FEQ AERATOR NO. 3 AER-05-43-13"

H. Sheet No. M022 – Flow Equalization Basin Upper Plan 3

a. <u>Upper Plan 3, Aerator on the eastern side of the tank</u>

Change the note "FEQ AERATOR NO.4 AER-05-43-14" to "FEQ AERATOR NO. 3 AER-05-43-13"

b. <u>Upper Plan 3, Aerator on the western side of the tank</u>

Change the note "FEQ AERATOR NO.3 AER-05-43-13" to "FEQ AERATOR NO. 2 AER-05-43-12"

I. Sheet No. M024 – Flow Equalization Basin Sections 1 – Notes

Add Note 3: "GATE VALVES ON THE UTILITY WATER PIPING SHALL BE PROVIDED WITH EXTENDED HANDWHEEL-TYPE OPERATORS"

J. Sheet No. M025 – Flow Equalization Basin Sections 2 – Notes

Add Note 4: "GATE VALVES ON THE UTILITY WATER PIPING SHALL BE PROVIDED WITH EXTENDED HANDWHEEL-TYPE OPERATORS"

K. Sheet No. M026 – Wet Well Plans and Sections – Wet Well Upper Plan

Delete the note "AIR RELEASE VALVE (TYP)" and the associated leaders

L. Sheet No. M028 – Utility Water Booster Pumping Station Plan, Section and Schematic

a. <u>Schematic, Utility Water Booster Pump P-72-10-01</u>

1. Delete the pipe sizing notation "2"
2. Add a note "CONTRACTOR SHALL PROVIDE A 2"X3" REDUCER PLACED DIRECTLY ONTO THE PUMP DISCHARGE FLANGE" with a leader pointing to the reducer symbol

M. Sheet No. E004 – Circuit Schedule and Underground Distribution Duct Bank Sections, Schedule, and Details

a. <u>Duct Bank Section, Primary Effluent Distribution Box</u>

Within the notation for duct A2 delete "PF-41-83-01-02" from the third row

b. Circuit Schedule

Add two rows to the table, under the "Main Power Distribution" heading:

CKT ID	CONDUCTORS	FROM	TO	EQUIPMENT/ FUNCTION
PF-LV-26A	(5 SETS) 4-#400, 1-#4/0G	T-26A	MCC-26	LV MCC FEEDERS
PF-LV-26B	(5 SETS) 4-#400, 1-#4/0G	T-26B	MCC-26	LV MCC FEEDERS

N. Sheet No. E010 – Flow Equalization Electrical Building Conduit Riser Diagram

Conduit between PB-EB-AC1 and PS26: At the start of the note change the conduit size from "1-1/2" " to "2" "

O. Sheet No. E017 – Wet Well Power and Control Panel – Drawing Notes

Add Note 5: "ALL LIGHTING FIXTURES SHALL BE TYPE F1 FIXTURES"

P. Sheet No. E021 – Primary Effluent Distribution Box Conduit Riser Diagram – Conduit DB-PDB[A2] notation

Delete "PF-41-83-01-02" from the note

Q. Sheet No. E023 – Primary Lane Tunnel Entrance Power and Control Plan and Conduit Riser Diagram – Conduit DB-PDB[A2] notation

Delete "PF-41-83-01-02" from the note

4. Changes – Appendix 1 – Drawings & Specifications – Specifications – 200508.pdf

A. Section 01640 – Equipment – General – 1.07-G

Delete Item 2 in its entirety and replace with the following bold and italicized text:

Two training sessions shall be conducted for each new piece of equipment and/or process, to be conducted at the site between Tuesday and Thursday. Training sessions shall be arranged to start at 8:30am or 3:00pm, and two sessions may be arranged for the same day. Finalized times, locations, and durations of training sessions shall be approved by the County.

B. Section 03100 – Concrete Work – 3.03

The following changes are offered: (All items listed are "following concrete placement").

1. Slab on grade edge forms may be removed at 24 hours
2. Wall forms (except at the FEQ) may be loosened and/or removed at 24 hours
3. Wall forms at FEQ may be loosened and/or removed at 72 hours
4. Beam, column, and structural (elevated) slab members shall follow the 80% specified compressive strength guidelines listed in Section 3.03

C. Section 03450 – Insulated Precast Wall Panels

2.04B

Delete "For Textured Areas Where Shown on Drawings – Rounded corrugation pattern 0.75 – inches deep and two-inches on center" and replace with "***Running Bond Brick with Rake Joint***"

2.04.B.1

Delete "Fitzgerald Pattern 17943 – Sine Wave or equal" and replace with "***Fitzgerald Running Bond/Rake Joint equal to Meridian Brick Pattern 18063LP***"

5. Written Questions Received

*All questions received have not been included in this addendum. Answers to be provided for additional questions received in Addendum 5.

#	Question	Response
1.	Pipe profile 10 on C015 shows two each 22.5 bends as the line enters the pipe gallery, while the drawing on C012 shows two each 45 bends. Please advise which is correct.	The two vertical bends immediately upstream of the pipe gallery are to be 22.5-degree, full body type. This also applies to the adjacent Profile 11 on drawing C015.
2.	Pipe profile 18 shows 48" pipe all the way from the PEDB to the clarifier, while the yard pipe drawings show a 48x42 reducer. a. Please clarify the correct pipe configuration. b. If required, please advise if the reducer is to be concentric or eccentric. c. Please clarify where the pipe terminates as the yard pipe drawings show it connecting to existing pipe after the reducer, while the profile shows it terminating at the clarifier. If the pipe terminates at the clarifier, please provide a detail.	a. Drawing C012, Yard Piping Partial Plan 1 is correct. A 48 x 42 reducer is required. b. An eccentric reducer is to be installed so that the pipe soffit level is constant (i.e. flat-top configuration). c. The existing effluent pipe from Primary Clarifier No. 2 is 42" diameter, the 48 x 42 eccentric reducer is to be installed outside the structure, as close as practicable to the external wall of the existing structure.
3.	AWWA C153 – Ductile-Iron Compact Fittings is listed in the referenced standards in specification 15060, but only AWWA C110 – Ductile-Iron & Gray-Iron Fittings is listed specifically in 2.02 for Ductile Iron Pipe Material. Will compact fittings be allowed for use in buried piping, or are full body fittings required?	Per Specification 15060, Section 2.02-F-6, compact (short radius) fittings are to be used only at the specific locations within the East-West Pipe Gallery identified on drawing M012. All buried yard piping shall have full body fittings.
4.	M012 shows the 30" RAS line connecting to an existing flange. Please provide the approximate location of the flange as it cannot be determined from the drawings or details.	Refer to Section F on M103. New RAS piping shall connect to the existing 30" flange on the 'RAS mixer' within the North-South Pipe Gallery, close to the gallery intersection. The connection location can also be seen in Detail 5 on Drawing M010 (end of demolition shading) and Section B on Drawing M007 (refer to Section 2.2 and Figure 7).

#	Question	Response
5.	Please provide pictures of the access to the pipe gallery where the new work will occur, as it appears that the size of materials could be limited by it.	There is an existing man-access stairway and door, adjacent to the tunnel intersection. See *Attachment A – North-South Pipe Gallery Photos* of this addendum. There is also an access hatch on the Primary Sludge & Scum PS, which is adjacent to the pipe gallery. The inside nominal dimension is approximately 30" X 54". However, there is hardware (shock mounting brackets and latch arm and angle/support) that protrude into the opening. See *Attachment A – North-South Pipe Gallery Photos* of this addendum. Any equipment that is lowered through this hatch would also have to fit through a man-access door into the pipe gallery. A temporary access panel shall be formed in the pipe gallery wall, and reinstated once all piping and other works in the gallery are complete.
6.	Two notes on M012 call out for W8x24 beams to be used as supports for the twin 36" MLSS pipes. a. Please confirm detail 8 on M033 is applicable in these locations. b. One of the notes calls for maximum 10' spacing, while the other calls for maximum 20' spacing. Please advise if this is correct as written or clarify	a. Confirmed. Detail 8 on M033 is applicable in these locations. b. The two notes on M012 specify <u>different</u> beam sections: W8x24 US Beam Section is applicable to the east of the gallery intersection and shall be installed at 10' intervals. W12x26 US Beam Section is applicable to the west of the gallery intersection and shall be installed at 20' intervals.
7.	The specs for this project make no mention to umbrella coverage or if an umbrella/ excess policy can be used to satisfy the requirement limits for other coverages. Will you allow us to utilize our umbrella/ excess policy to satisfy the requirement limits?	The bid would be considered with both of the following insurance requirements of: General Liability - $1 million per occurrence/ $2 million annual aggregate **AND** Umbrella Liability - $15 million per occurrence/$15 million annual aggregate.
8.	Please indicate if hand delivery of the bid submission will be acceptable.	*Part I, Section 1.3 – Bid Submission* of the solicitation states, "Acceptable delivery methods are by courier, United States Postal Service, United Parcel Service or Federal Express."
9.	Please confirm that all required testing and inspections will be provided by the owner. There is conflicting information between the Solicitation and Specifications.	The County will provide Special Inspections as outlined in Section 01420 of the specifications. There are several other testing requirements in the contract that the Bidder will need to review. This question cannot be answered unilaterally.
10.	Dwg C014 - Profile 7 shows a 48"x20" Eccentric Reducer at station 3+88. Section A on dwg M004 shows this reducer as concentric. Which is correct?	Reducer shall be concentric. Centerline elevation for the 20" end anticipated to be approximately 10.90 (elevation of 48" piping to be field verified). The 20" piping shall be installed with a rising grade, to suit the elevation of the existing 48" piping.

#	Question	Response
11.	Drawing C012 shows a 48"x42" reducer in the 48" DIP, PE line tagged as profile 18 coming from clarifier 2. Profile 18 on drawing C015 shows no reducer and notes the line comes from clarifier 5. Shall we assume drawing C012 is correct, and Profile 18 on C015 is an error?	Refer to Question 2 of this addendum.
12.	Drawing C012 shows a 4" DIP drain line from the UW Booster Pump Station to the Flow Equalization Flow Control Vault. The process pipe schedule, drawings M028 and M029 suggest this is a 3" PVC line. What is the size and material of this line?	Drainpipe shall be 3" PVC, refer to ***3. Changes – Appendix 1 – Drawings & Specifications – Drawings – 200508.pdf*** of this addendum.
13.	Spec 15060 2.02.F.1 - Can C153 Compact fittings be used in lieu of C110 full body fittings on buried ductile piping?	No. Compact (short radius) fittings are only to be used where explicitly noted on the design drawings. Full body fittings are required to manage hydraulic losses at high flows.
14.	Dwg M007 - What is the working pressure of the temporary RAS line?	The Contractor shall assume a maximum working pressure of 220 psi for the temporary RAS line.
15.	Spec 15060 2.02.F.3 - Will ductile iron MJ fittings with Megalugs be acceptable in all locations in lieu of proprietary restrained joint fittings?	Proprietary systems shall be installed wherever they are explicitly noted on the drawings. It will not be acceptable to substitute standard MJ fittings with Megalugs at these locations. However, per Spec 15060 2.02.F.5.b, "Where not shown on the Drawings, mechanical joint fittings can be used for buried applications on pipes 48-inch diameter and less with test pressures less than or equal to 150 psig".
16.	Dwg M012 - The 30" RAS line shows a Victaulic series 365 plug valve drawn well into the adjacent fitting. Is there sufficient room between the existing flange and the proposed RAS centerline to accommodate the valve's 51" laying length and a Flange x Groove spool piece indicated on the drawing?	Yes, there is sufficient room to install the required fittings. Section B on Drawing M007 shows the existing flange location in relation to the pipe gallery intersection.
17.	Dwg M015 - Can grooved pipe and fittings be used except for equipment connections in lieu of the flanged joints referenced in the process piping schedule?	No. Grooved pipe and fittings shall only be used at locations indicated on the design drawings and in the pipe schedule.
18.	Spec 09900 Table A-1, System C-2 - Finish coat remark indicates that coating shall be from top of wall to 3 feet below water line. Please indicate which elevation the coating shall be applied as water levels will vary.	Extents of coating shall be in accordance with the data in Table A-2: the entirety of the walls and the soffit of the top slab.
19.	Dwg M026 - The Wet Well Upper Plan indicates an air release valve adjacent to an open-ended pump discharge pipe. Is the air release valve necessary? (Typical of 7)	Air release valves are not required. Annotation will be deleted from the drawing. Refer to ***3. Changes – Appendix 1 – Drawings & Specifications – Drawings – 200508.pdf*** of this addendum.

#	Question	Response
20.	Dwg M028 - What is the material of construction of the 2" UW Booster Pump discharge? 2" ductile iron is not made.	Contractor shall provide a 2"x3" reducer placed directly onto the pump discharge flange (see ***3. Changes – Appendix 1 – Drawings & Specifications – Drawings – 200508.pdf*** of this addendum). No 2" piping will be required.
21.	Spec 15260 - Please confirm the only piping that needs insulation has been outlined in specification 15260 3.03.B Insulation Schedule.	Confirmed.
22.	Dwg M013 - Section E shows a 4" UW line connecting to the existing UW main. Where does this line go? It does not seem to be shown on the plan view drawing M012.	The 4" UW line continues along the north all of the East-West Pipe Gallery and is located beneath the 6" scum main on the same wall. The 4" UW pipe is visible on M012 at break points in the scum alignment. It is also visible on section A to D on drawing M013. The new UW line will tie-in to the existing UW piping in the southern portion of the North-South Pipe Gallery – refer to Section 2.2 and Figure 10 for demolition extents.
23.	Please confirm that the 25% MBE goal is a goal and not a requirement. Will a good faith effort submission be required?	Confirmed. The 25% MBE goal is an aspirational goal, not a requirement. Good faith effort submissions are not required. See *Part I, Section 3.1 – Minority Business Enterprise (MBE) Program* of the ITB for all requirements.
24.	Please consider extending the questions deadline to allow subcontractors and vendors ample time to digest all of the documents. We would like to request the question deadline be due 10 calendar days prior to the bid submission.	The County is not extending the solicitation schedule at this time.
25.	Please clarify the level of cleaning that will be required. Will hosing the tanks down with a pressure washer be sufficient?	Pressure washing the tanks used by the Contractor to divert or store flow will be sufficient for the required cleaning.
26.	The scope of work for the 4" UW line in the pipe gallery is not clear. The tie-in location on the north wall is visible in the photos, but we are unable to determine where the pipe runs to and subsequently tie-in on the south wall. Please clarify.	Refer to Question 22 of this addendum.
27.	Please confirm the two flow meters that are to be re-used in the pipe gallery on the sludge piping are 6" in diameter.	The two flow meters are 4" diameter. Refer to Section 2.2 and Figures 01 and 02.
28.	Note 2 on M024 and Note 3 on M025 call for extended operators on gate valves use to draw UW piping. No operator is noted for the isolation gate valves located on the UW line; please advise what type of operator should be provided for them.	Gate valves on the utility water piping shall be provided with extended handwheel-type operators. See ***3. Changes – Appendix 1 – Drawings & Specifications – Drawings – 200508.pdf*** of this addendum.

#	Question	Response
29.	Primary Effluent Distribution Box Sheet S008 Section D has a Callout for "Weir Plate (See Mech Dwgs, Typ.)". There also appears to be weir plates shown in the other Sections of Sheet S008. I did not find any info on the Mechanical Drawings regarding Weir Plates on the P/E Distr. Box. Is the Weir Plate note intended to mean "Weir Gate", or are Weir Plates required? If there are weir plates, please provide details and material composition.	There are no weir plates, the note on Sheet S008 should read 'weir gate', refer to ***3. Changes – Appendix 1 – Drawings & Specifications – Drawings – 200508.pdf*** of this addendum. The weir arrangement is correctly referenced on Drawing M006.
30.	Can the deadline for questions be extended 14 days please?	Refer to ***2. Changes – ITB Solicitation Document*** of this addendum.
31.	Type WP-1 (Wall Pack) a. Advise Voltage for the PC b. Advise finish c. Advise wattage, schedule reads 20 high efficiency LED AND Dual light engines. The Dual light engines are only available on 40 watt and above.	a. Wallpacks are 120V, 1 phase. b. Finish shall be black. c. Utilize 40-watt option.
32.	Type A1 (Site Lights) a. Advise voltage for PC b. Advise pole height, schedule reads 15', spec reads 20' c. Advise finish, spec reads black or owner selected	a. Site lighting is 277V, 1 phase. Per contract drawings, these fixtures will not have integral photocells and should be controlled by a lighting control panel shown on E030. b. Pole height shall be 15'. c. Finish shall be black.
33.	Schedule calls for integral fusing. The fixtures come with surge suppression as a standard, is fusing still required?	Fixtures shall include integral fusing also.
34.	Ref 0105-1.03 – Clarify that this is to include (or exclude) temporary power (hook-up and usage costs) for by-pass pumping.	This is included.
35.	C004 and C005: Does the plant access road (between the new Flow EQ Basin and the Administration and Laboratory Buildings) need to be maintained during construction, or can the road be shut down for extended periods of time?	The existing access road between the FEQ basin and the Admin Building is within the project LOD. The road can be shut down for an extended period. However, the Contractor shall coordinate with the County to inform them of the extent of any planned closures. Occasional access may be required in order to maintain plant operations.

#	Question	Response
36.	Solicitation 3.0: It is common practice for subcontractors to subcontract work to other companies. In the even these second-tier subs have minority status, will their participation count toward the established MBE goal?	No, only the primary subcontractors or prime contractor's status shall count to the aspirational goal.
37.	01501 1.26A: Is the Contractor expected to pay for the County's Engineers office trailer water and electrical usage throughout the contract duration?	Yes.
38.	Draining tanks: Regarding draining of tanks (either partial or complete) there is language about cleaning tanks. Please provide direction on what level of cleaning is expected. Is there an expectation of sludge in any of these tanks or channels? If sludge exists, who is responsible for removal? If the Contractor is responsible for sludge removal, please provide a bidding quantity.	The Contractor shall drain each tank to a sufficient level to enable them to complete the proposed works safely. Power washing of tank walls will be sufficient for cleaning. The Contractor will not be required to remove any sludge or solids.
39.	C010: Please reference DWG C010. There is a 36" influent line that requires multiple "cut and caps". Is there any valving on or upstream on that 36" line?	The 36" primary influent main line can be isolated at the influent pump station. Likewise for the adjacent 24" influent main.
40.	03301 1.05D: Would the Engineer allow leak testing and backfilling (upon a successful leakage test) of the Flow EQ Basin wet well to occur separately from the rest of the tank?	The entire tank consists of 3 separate cells: Basin 1, Basin 2, and the Wet Well. Each of these locations shall be leak-tested separately per Spec 03301.1.05.B. After each location passes the test, backfill may commence at that location.
41.	03301 1.05D: Does the entire Basin (wet well and both tank cells) need to be leak tested before any backfill can be placed, or can cells be backfilled as they pass leak testing?	Refer to Question 40 of this addendum.
42.	03301 2.01A: Is there a location that the Contractor could tie into the plant utility water system in order to utilize that for water testing? If so, please indicate this location, type of connection required, and estimated expected flow rates.	Contractor to provide temporary system for filling FEQ basin with Utility Water (US) for leakage testing. UW is available at the effluent cascade, adjacent to UV treatment. The distance to the FEQ basin considering the likely pipe routing is approximately 2400-2500 feet. The average daily flow at the facility is approximately 10 mgd. Flows may be higher or lower on a diurnal basis.
43.	Solicitation 4.2: Please reference Part I – Instructions to Bidders – Section 4.2 – Indemnification. Does the Owner intend that the Contractor must indemnify for losses when the Contractor is not at fault?	Bidders shall refer questions pertaining to legal language of terms and conditions to Bidder's legal representative.
44.	Solicitation 2.0: The Contract has no mutual waiver of consequential damages. Would the Owner add a mutual waiver of consequential damages?	The County cannot provide a response based upon the information provided. Bidder shall propose recommended revision in accordance with the question period specified in the ITB for County response.

#	Question	Response
45.	Please reference General Provisions Section 1.7(A) - Termination for Default – Damages for Delay – Time Extensions. Will the Owner add a reasonable cure period before termination for default? A 30-day cure period is suggested.	This would be on a case by case basis dependent upon the event.
46.	Solicitation General Provisions 1.20: Will the Owner agree that delays of one day or more are "unreasonable" so as to allow Contractor an equitable adjustment in the event of Owner delays? Under the current contract standard, the Contractor can seek an adjustment only for undefined "unreasonable" delays. The Contractor has no way of knowing how much risk of Owner delay it must bear.	This would be on a case by case basis dependent upon the event and the County's acceptance of the project schedule proposed by the bidder.
47.	Concerning Special Provisions Section 1.44(B) – Disputes. Please clarify that decisions of the County can be appealed to court or arbitration.	Bidders shall refer questions pertaining to legal language of terms and conditions to Bidder's legal representative.
48.	03301 1.07: Is the Primary Effluent Distribution Box required to be leak tested?	Yes.
49.	Please confirm that the trade permits can be obtained at no cost to the contractor. If not, then please provide the cost so we can include it in our bid.	Trade permits will be the responsibility of the contractor. The contractor will need to determine the cost associated with obtaining trade permits and make allowances accordingly.
50.	Please confirm that the owner will pay for laboratory testing per article 1.07.A. (pg. 1400-2) and article 1.07.A. (pg. 1420-2). There are contradictory statements in the solicitation.	Confirmed.

#	Question	Response
51.	Refer to article 1.08.C.5. on page 1010-4. regarding installing bulkheads in the reactor influent channel to isolate and dewater the section of channel in front of the reactor, as well as the channel to the east of the reactor. a. There is not enough information provided north of the gallery shown on drawing M-8. Please provide as-builts of this area for all the reactors. b. From the description are we to assume there is a common channel in this area that provides flow to all the reactors? If this is the case, then why are we to isolate and dewater the channel just to the east and not the west? c. Drawing M-12 requires a new core drilled pipe penetration at a different location than the 16" RAS pipe penetration that gets removed (Drawing M8). Does the concrete wall need to be poured back at these locations? There are no details provided.	Refer to M014, Reactor Plan (1), which shows the full extents of the existing reactor influent channel. Bulkheads will be required to isolate each existing reactor influent weir gate in order to remove it and infill the void (as per detail on M014). Suggested sequential bullhead locations in the reactor influent channel are as follows: (1) at the dividing wall between reactors 1 & 2; (2) to the east of the existing bypass pipe discharge location; (3) at the dividing wall between reactors 3 & 4; (4) to the east of the existing PC-1 effluent pipe discharge location. Bulkheads shall be the same height as the existing influent channel walls and shall be sized to retain fluid at full channel depth. Reactor influent channel as-builts are attached. Drawing M014, Section A, provides infill details for weir gate voids and existing 16" RAS pipe connections.
52.	Refer to article 1.12.A.9. on page 1010-8. We are only draining and cleaning the areas we need to complete our work but in some cases we only work in a small section of a very large tank. Currently we plan to only do local cleaning. Please confirm the scope of draining/cleaning required for the following structures. Some parts of these structures we do not have any work in: • Splitter box • Clarifier #1 (only working in the effluent box, no work in the Clarifier) • Clarifier #2 (no work in the Clarifier) • BNR Tanks #1-5 (we are only working @ the piping tie-ins) If the contractor will be responsible, then please provide a quantity of both liquids and solids required to dewater and areas we are to clean so this work can be priced accordingly.	Refer to Question 38 of this addendum.
53.	M008: Please provide as built drawings and/or photographs of the interior of the North/South section of the pipe gallery.	See ***3. Changes – Appendix 1 – Drawings & Specifications – Drawings – 200508.pdf*** of this addendum. Refer to M010, Detail 4 and 5 for photographs.

#	Question	Response
54.	Spec 02400: Would the Owner be open to abandoning in place support of excavation components?	Yes, in fact along the south side adjacent to the cell tower the shoring is required to be permanent. Permanent/ abandoned shoring shall be removed to a depth of at least 2-feet below finished grade and cannot interfere with the intended functioning of the project. Whether or not the remainder of the shoring is permanent is "means and methods" and shall be determined by the contractor.
55.	Spec 02400: The Contractor is responsible for design, means and methods of support of excavation systems. Would the Owner be open to alternate systems other than steel sheet piles?	Steel piles are required under Specification 02400 and alternate systems will not be accepted at the bidding stage. If, during the construction stage, the appointed Contractor proposes an alternate system then that will be reviewed by the County and Engineer on its own merits. An alternate system shall not be implemented without formal review and approval by the County.
56.	Please indicate if the Owner and Engineer would accept a precast, post-tensioned concrete tank as a viable alternate to cast in place concrete for the large flow equalization basin. This system has many benefits to the Owner such as cost savings, reliability, liquid tightness testing, quality finishes, and schedule efficiencies. If allowed, please include a location on the bid form to include this option as an alternate.	Tank construction shall be cast-in-place concrete.
57.	E002, E004: Duck Banks DBL26A & B feed MCC-26 from transformers T-26A & B. The circuit schedule does not provide feeder sizes for Circuit ID PF-LV-26A & B, 4 sets each. Please advise feeder sizes required for MCC-26.	PF-LV-26A and PF-LV-26B each consist of 5 sets of 4-#400 kcmil & 1-#4/0G, refer to ***3. Changes – Appendix 1 – Drawings & Specifications – Drawings – 200508.pdf*** of this addendum. Of the six 4" conduits shown on Drawing E010 between each transformer (T-26A and T-26B) and MCC-26, use five conduits for the feeder conductors. The sixth conduit is a spare conduit.
58.	E017: There are 8 lighting fixtures shown on the floor plan without a type designation. Please advise.	The lighting fixtures shown on E017 are to be Type F1 fixtures. Refer to ***3. Changes – Appendix 1 – Drawings & Specifications – Drawings – 200508.pdf*** of this addendum.

#	Question	Response
59.	E006, E008: Keynote-3 states MCC-26 is to be bottom fed. However, detail 1/E032 on the floor plan references DB-L26A as typical below grade to above grade conduit detail, penetrating wall via LB conduit. Please advise which is correct.	MCC-26 is to be bottom fed. Duct banks will run up the wall and penetrate the floor of the Electrical Building. LB fittings and wall penetrations are not required. Other aspects of the Detail are required including, but not limited to: - Above grade concrete protection - Expansion/deflection fittings - Below grade PVC coated steel conduit elbows (Duct Bank Stub-Up Detail) - 10' of PVC coated steel conduit below grade (Duct Bank Stub-Up Detail)
60.	E030: Lighting fixture schedule indicates type 'EX' exit fixture. We find no exit lights on the floor plans. Is this correct?	There are no exit lighting fixtures required in the Contract.
61.	E002: There is an unidentified duct bank shown penetrating laboratory '1C'. There is no section or floor plan indicating what we are to provide. Please provide duct bank section and conduit/ wire riser diagram.	The unidentified duct bank from Laboratory '1C' to the two hand holes shown near T-1A and T-1B is to be installed under the Electrical and Automation project and is not intended to be part of this project. The two hand holes are included in this Contract.
62.	E002, E020: Drawing E020 advises to see site plan for continuation of 'DB-PDB'. Site plan shows duct bank as dead ending. Where is the duct bank to terminate? In the pipe gallery? If so, gallery plan does not indicate this duct bank penetrating. Please advise.	DB-PDB terminates in Pull Boxes PB-PG-AC1 and PB-PG-DC1 as shown on the conduit riser diagram on Drawing E023. Refer to plan on Drawing E022 for location of pull boxes.
63.	Within duct bank section 'DB-PDB' there are 2 wire identifications which we are unable to locate in circuit schedules, PF-41-83-01 & -02. Please advise.	Disregard these two circuits. They are not required. Refer to ***3. Changes – Appendix 1 – Drawings & Specifications – Drawings – 200508.pdf*** of this addendum.
64.	E017: There are shown 7 FEQ Pump Protection Control Pnls. in Wet Well. We are unable to locate these pnls. and associated wiring within any conduit riser diagrams. Please advise.	The FEQ Pump Protection Control Panels are shown adjacent to the respective pump disconnect switches on the conduit riser diagram on Drawing E018. They are identified with a 'CP' symbol only.
65.	E001, E010: Between 'PCS-26' and pull box 'PB-EB-AC1' indicates a 1 ½" conduit. Our calculations indicate a total of 86 #14's & 1 #12. Includes 6 add'l #14 spares. Per conduit Tag ID shown on E001, conduit size should be 2". Please advise which is correct.	The General Circuit/Conduit Tag ID table on Drawing E001 is intended to indicate conduit size if, for example, the tag on the conduit riser diagram (CRD) simply indicates "C86". When multiple circuit IDs are shown in one tag on a CRD, the conduit size is indicated as well. This conduit size generally should not be in conflict with the conduit size the table would require for the same conductors, but in this specific example 1-1'2" is undersized for 86 #14's. Provide a 2" conduit for this. run. Refer to ***3. Changes – Appendix 1 – Drawings & Specifications – Drawings – 200508.pdf*** of this addendum.

#	Question	Response
66.	M020, M022, E011, E013: With the exception of surface aerator '05-43-11', the remaining (3) aerators are labeled differently between mechanical drawings and electrical. Please advise which is correct.	The numbering on the Electrical Drawings is correct. Refer to ***3. Changes – Appendix 1 – Drawings & Specifications – Drawings – 200508.pdf*** of this addendum.
67.	E016: Riser diagram indicates FEQ Surface Aerator 'AER-05-42-14'. Should this aerator be labeled '05-43-14'?	Yes, anywhere in the Contract Documents that the middle two digits of a 6-digit tag number is '42', it should read '43'.
68.	E013: Floor plan indicates FEQ Divider Gate as 'G-05-07-32'. Should this designation be 'G-05-07-31'?	The tag number shown on E013 is correct. FEQ Divider Gate G-05-07-31 is shown on Drawing E012.
69.	Per Part III Special Provisions 2.7 Geotechnical Testing, the Contractor shall obtain a 3rd party to perform testing on materials as required. Test to be performed include fill material, trench backfill, concrete, and preparation of subgrades. Per 01400.1.01.A, the Owner shall employ and pay for the services of an independent testing laboratory to perform inspections, tests, and approvals indicated in Standard Specifications for Construction General Provisions Article GP-6. Please confirm the Owner will employ and pay for a 3rd party testing laboratory to perform all testing required for the project including special inspections.	The County will provide Special Inspections as outlined in Section 01420 of the specifications. Note: there are several other testing requirements in the contract that the Bidder will need to review.
70.	M028 Detail 1 calls for 2" DIP UW. 2" DIP is not made. Please provide pipe material that can be used in lieu of the 2" DIP.	Refer to Question 20 of this addendum.
71.	This is a request that [vendor] is added as one of the named suppliers in the referenced solicitation.	The solicitation allows Contractors to list "or equal" equipment at their own discretion that is not listed otherwise.
72.	The last day for questions is stated as June 19, however, section 1.7 indicates questions can be submitted up to 14 CD prior to the scheduled due date. We request a two-week extension to the question deadline.	Refer to ***2. Changes – ITB Solicitation Document*** of this addendum

ATTACHMENT A – NORTH-SOUTH PIPE GALLERY PHOTOS

*****END OF ADDENDUM*****